NORTH KESTEVEN
RURAL DISTRICT COUNCIL

Library

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

AND

PUBLIC HEALTH INSPECTOR

FOR THE YEAR

1964

LINCOLN
DONCASTERS LTD., MINT LANE

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NORTH KESTEVEN RURAL DISTRICT COUNCIL

ANNUAL REPORT of the Medical Officer of Health and Public Health Inspector for 1964.

Chairman: Mr. G. W. Hutson, J.P., North Hykeham
Vice-Chairman: Mr. F. G. Newton, Swinderby
Treasurer: National Provincial Bank Limited, Lincoln.
Medical Officer of Health: Dr. E. I. Blenkinsop (To October)
Medical Officer of Health: Dr. M. A. Loraine (From October)
Clerk & Chief Financial Officer: Mr. F. Foster
Assistant Clerk & Deputy Financial Officer: Mr. T. L. Hill.
Legal Advisers: Messrs. Danby, Eptons & Griffith, Solicitors, Lincoln.

Rating & Valuation Officer and Housing Manager: Mr. A. Elkington, F.R.V.A.

Surveyor and Chief Public Health Inspector: Mr. J. Freeman, M.I.Mun.E., M.R.S.H., M.A.P.H.I.

Deputy Surveyor: Mr. J. B. Smart

Additional Public Health Inspectors:
Mr. D. G. Owens, M.A.P.H.I.
Mr. R. I. Bairstow, M.A.P.H.I.
Mr. J. H. Bulmer
Mr. D. M. Pickles, A.R.S.H., M.A.P.H.I. (From October)

Council Offices:
31 Clasketgate, Lincoln.
Telephone No. 23221.

Surveyors—27395.
Garage and Store, Sleaford Road, Metheringham.
Telephone No. 470.

The Chairman and Vice-Chairman act as *ex-officio* members of all Committees and Sub-Committees of the Council (except the Rating and Valuation Committee)

Mr. Chairman, Ladies and Gentlemen,

As your Medical Officer of Health, I beg to lay before you my report on the vital statistics, Health and Sanitary Conditions of your District for the year ending 31st December, 1964.

Statistics and Social Conditions of the Area.

Area (acres)	100,783
Population 1964 (Estimated Mid-Year)	37,010
1963	35,890
Dwelling houses (including houses with shops)	9,618
Commercial Properties	626
Licensed Premises	57
Entertainment and Recreational	48
Public Utility	38
Educational and Cultural	41
Industrial	25
Miscellaneous	170
Total number of hereditaments	10,623
Rateable Value of District	£912,603
Penny Rate Product	£3,925

Council Tenancies

Permanent houses and bungalows	1,849
Aluminium bungalows	60
Total	1,909

Considerable progress has been made with exchanges and transfers to make the best use of the housing accommodation available.

The following industries and occupations exist in the district:—Agriculture, crop drying, an egg packing station, brick making kilns, aircraft repair works, sewage works for Lincoln City, a light engineering factory, stone and sand and gravel quarries, road car depots and garages, wholesale distributors (SPD), a clothing factory, Jointine products, the Malleable Iron Works, food manufacture (N.A.A.F.I.) bakery at North Hykeham and pest control, Fisons at Metheringham.

VITAL STATISTICS 1964

Birth and Death Rates

As the age and sex distribution of the population in different areas materially affects both the Birth and Death rates of these areas, comparability factors allowing for this are issued by the Registrar General for each local Government Unit. These factors are used in calculating what are termed as nett rates and fairer comparisons are obtained if the latter are used when comparing rates with those of any other area (when these have been similarly adjusted) or with rates for the Country as a whole).

These factors for Births and Deaths in respect of North Kesteven Rural District are 0.95 and 0.85 respectively. The corresponding figures when multiplied by the Crude Rate (that is, for Births and Deaths as the case may be) will give the nett rate.

	M.	F.	Total
Live Births	369	330	699
Legitimate	353	317	670
Illegitimate	16	13	29
Crude live birth rate per 1,000 population ..	..	..	18.89
Nett live birth rate per 1,000 population	..	..	17.94
Rate for England and Wales	..	..	18.4
Illegitimate live births—Per cent of total births ..	..		4.15%
Still births	6	4	10
Legitimate	5	4	9
Illegitimate	1	—	1
Still birth rate per 1,000 live and still births ..	..	..	14.11
Rate for England and Wales	..	..	16.3
Total live and still births	375	334	709
Deaths	212	226	438
Crude death rate per 1,000 of estimated population	..	..	11.83
Nett death rate per 1,000 of estimated population	..	..	10.05
Rate for England and Wales	..	..	11.3

Infant Mortality	M.	F.	Total
i.e. deaths of infants under the age of 1 year ..	7	9	16
Legitimate	7	9	16
Illegitimate	—	—	—
Infant Mortality rate per 1,000 live births			22.89
Rate for England and Wales			20.00
Legitimate infant deaths per 1,000 legitimate live births			22.89
Illegitimate infant deaths per 1,000 illegitimate live births.. ..			—
Deaths of infants under four weeks	3	9	12
Deaths of infants under one week	3	7	10
Neonatal mortality rate per 1,000 live births under 4 weeks ..			17.17
Early neonatal mortality rate per 1,000 live births under 1 week ..			12.88
Perinatal Mortality rate (stillbirths and deaths under 1 week combined per 1,000 total live and still births)			28.21

Maternal Mortality (including abortion)

Number of deaths	0
Rate per 1,000 total live and still births	0.00

The birth rate at 17.94 per 1,000 of the population is slightly lower that that of England and Wales as a whole at 18.4 which is the highest since the year 1948.

The death rate at 10.05 compares favourably with the figures for England and Wales at 11.3.

The infant mortality rate for the area was 22.89 which compares with that of the national average of 20.00.

The natural increase in the population of the area, that is the excess of live births over deaths was 261, which indicates a measure of expansion and prosperity in the area.

CAUSES OF DEATH

		Male	Female	Total
1.	Tuberculosis, respiratory	—	1	1
2.	Tuberculosis, other	—	—	—
3.	Syphilitic disease	—	—	—
4.	Diphtheria	—	—	—
5.	Whooping Cough	—	—	—
6.	Meningococcal infections	—	—	—
7.	Acute poliomyelities	—	—	—
8.	Measles	—	—	—
9.	Other infective and parasitic diseases ..	—	—	—
10.	Malignant neoplasm, stomach	1	2	3

		Male	Female	Total
11.	Malignant neoplasm lung, bronchus ..	10	4	14
12.	Malignant neoplasm, breast	—	9	9
13.	Malignant neoplasm, uterus	—	4	4
14.	Other malignant and lymphatic neoplasms	11	21	32
15.	Leukamia, aleukaemia	2	1	3
16.	Diabetes	—	2	2
17.	Vascular lesions of nervous system ..	27	26	53
18.	Coronary disease, angina	46	29	75
19.	Hypertension with heart disease	2	5	7
20.	Other heart disease..	27	49	76
21.	Other circulatory disease	8	8	16
22.	Influenza	—	—	—
23.	Pneumonia	18	30	48
24.	Bronchitis	13	3	16
25.	Other disease of respiratory system ..	5	—	5
26.	Ulcer of stomach and duodenum ..	2	—	2
27.	Gastritis, enteritis and diarrhoea.. ..	2	—	2
28.	Nephritis and nephrosis	2	3	5
29.	Hyperplasia of prostate	2	—	2
30.	Pregnancy, childbirth, abortion ..	—	—	—
31.	Congenital malformations	2	6	8
32.	Other defined and illdefined diseases ..	18	19	37
33.	Motor vehicle accidents	4	1	5
34.	All other accidents	6	3	9
35.	Suicide	4	—	4
36.	Homicide and operations of war ..	—	—	—

Other heart disease was the principal cause of death accounting for 17.35% of the total deaths. Coronary disease, angina, accounted for 17.12% of the total deaths. Cancer in all forms accounted for 14.84%, one in five being due to cancer of the lung, bronchus. Vascular lesions of the central nervous system, i.e. strokes, accounted for 12.10% of the total deaths.

There were 5 deaths due to motor vehicle accidents which is 6 less than the previous year. Deaths due to all other accidents amounted to 9 which is 1 less than the previous year.

There were 4 deaths from suicide, this figure being the same as for the previous year.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

Nursing in the Home

Under the County Council Scheme, District Nurse/Midwives are stationed at villages throughout the area.

The following details are in current use and not necessary appertaining to the year 1964 only.

They are stationed at:—

BASSINGHAM	Frith, Mrs. J. Nurse	Harmston Road, Aubourn Bassingham 320
BRANSTON	Chapman, Mrs. M. Nurse	Sleaford Road, Branston Branston 285
BRANT BROUGHTON	Nelmes, Miss S. Nurse	Nurse's House, Eastgate, Bassingham Bassingham 248
HYKEHAM	Daft, Mrs. M. A. Nurse	8 Manor Road, North Hykeham North Hykeham 515
	Gunnigle, Mrs. E. Nurse	23 Hartsholme Drive, Swanpool Lincoln 20395
LEADENHAM	Quincey,Mrs. I. A. M. Nurse	"Stonecroft," High Street, Caythorpe Fulbeck 429
POTTERHANWORTH	Finn, Mrs. M. E.	Nurse's House, Wellhead Lane, Nocton Metheringham 453
SKELLINGTHORPE	Clee, Mrs. G. W. Nurse	"Birds Holt," Waterloo Lane, Skellingthorpe Doddington 242
SWINDERBY	Wright, Miss M. Nurse	Nurse's House, Eastgate, Bassingham Bassingham 248
WADDINGTON	Gregory, Mrs. E. L. Nurse	Nurse's House, Mill Lane, North Hykeham North Hykeham 409
WASHINGBOROUGH	Foster, Miss G. A. Nurse	Nurse's House, Fen Road, Heighington Washingboro' 281
WELLINGORE	Smith, Mrs. M. Nurse	Nurse's House, Grantham Road, Navenby Navenby 302

Relief Nurses:
Nurse Mrs. A. Freeman, 14 Sutton Road, Beckingham
Fenton Claypole 260
Mrs. B. Smith, 33 Somerville Close, Waddington
Waddington 541
Mrs. H. Ashton, North End, Fulbeck Fulbeck 266

Health Visitors:
Miss M. A. Daniels, 28 Meynell Avenue, Lincoln
Lincoln 24084
Miss K. P, Brown, The Croft, Caunton Caunton 265
Mrs. D. E. Edgell, The Paddock, Norton Disney
Bassingham 237
Miss E. McNair, Beaconfield Clinic, Sandon Road, Grantham
Grantham 2304

The health visitor provides a medico social service to the family and in particular to mothers and infants, the aged, the tuberculosis patient and the problem family.

Child Care Officer:
Miss G. A. Shee, Kesteven County Council, Sleaford
Covering the North Kesteven Rural District:
Miss S. J. Skelton, 15 Broadway, Bracebridge Heath
Tel. Lincoln 25728

Mental Welfare Officer:
Mr. M. A. Clark, Kesteven County Council, Sleaford
Covering the North Kesteven Rural District
Mr. W. Holmes, 20 Orchard Street, Lincoln
Tel. Lincoln 22856

DistrictWelfare Officer:
Mr. W. A. Allpress, Kesteven County Council, Sleaford
Covering the North Kesteven Rural District
Mr. Brown, 20 Orchard Street, Lincoln
Tel. Lincoln 22856

Immunization and Vaccination

Diphtheria, whooping cough and poliomyelitis immunization, also smallpox vaccination is provided free of charge by the general practitioners in the area. Poliomyelitis immunization has also been carried out at the Lindum Road School clinic, and various other clinics in the area.

Ambulance Service

Ambulances serving the area are based at Sleaford and considerable use is made of the Lincoln City Ambulance Service. The ambulance depot which has now been opened at Waddington has relieved the Lincoln City Ambulance Service.

School Clinic

This is held every Wednesday morning at 30 Lindum Road, Lincoln between the hours of 9-30 a.m. to 11.30 a.m.

Infant Welfare Clinics

These are scattered throughout the principal villages in the area. See enclosed list of Infant Welfare Clinics.

Mothercraft and Relaxation Classes

These take place at the Church Hall I.W.C. at North Hykeham and there has been a good attendance of each session. In addition to a session of relaxation exercises, a talk relating to pregnancy, childbirth or mothercraft was given at each attendance.

Hospital Services

All the usual hospital services are provided by the Sheffield Regional Hospital Board at the Lincoln County and St. Georges Hospital, Lincoln. Also situated in the Council's area are St. John's Hospital which specializes in cases of mental illness and Harmston Hall Hospital at Harmston which specializes in cases of mental subnormality. There is also a hospital at Branston for the treatment of tuberculosis. Nocton Hall R.A.F. Hospital caters for R.A.F. personnel living in the area and their families. The R.A.F. Hospital at Nocton is very helpful in dealing with a number of civilian patients in the area, although, unfortunately, statistics are not available for inclusion in this report.

Public Health Laboratory Service.

Bacteriological investigations are carried out by the Public Health Laboratory Service situated at Lincoln County Hospital under the supervision of Dr. Croll. The service includes the examinations of milk and water supplies as well as general bacteriological examinations for the general practioners and the Public Health Departments. I should particularly like to thank Dr. Croll for his generous assistance and advice.

Venereal Disease Clinic

A special clinic for the diagnosis and treatment of venereal diseases is held twice a week at the Lincoln County Hospital.

INFECTIOUS DISEASE

Dysentery

One case of dysentry was notified during 1964 compared to 55 in the previous year.

Diptheria

No cases were notified during the year but cases are often occurring in the country from time to time and it is essential that a high level of immunization be maintained in order to prevent the possibility of an outbreak.

INFANT WELFARE CENTRES

Centre	Doctor	Secretary	Day When Held
BASSINGHAM The Village Hall	Dr. A. Morris	Mrs. P. Holmes, Bassingham, Tel. Bassingham 375	3rd Tuesday
BRACEBRIDGE HEATH The Village Hall	Dr. M. A. Loraine	Mrs. G. M. Gough, 35 Grange Road, Bracebridge Heath	2nd and 4th Thursdays Doctor only 4th Thursday
BRANSTON The Methodist Chapel	Dr. A. Morris	Mrs. H. E. Deverill, 110 Lincoln Road Branston Tel. Branston 302	2nd Tuesday
CANWICK Village Hall	Dr. M. A. Loraine	Mrs. A. M. Hooker, "Charnwood," Heighington Road, Canwick	3rd Tuesday
EAGLE The Village Hall	Dr. M. A. Loraine	Mrs. I. Roe, Enfield Farm, Eagle	2nd Wednesday
HEIGHINGTON The Village Hall	Dr. M. A. Loraine	Mrs. E. Pratt, Heighington Hall, Heighington Tel. Washingborough 244	2nd Thursday
LEADENHAM The Village Hall	Dr. E. A. Whiteley	Mrs. K. M. Simpson, c/o Post Office, Welbourn	4th Tuesday
METHERINGHAM Methodist Schoolroom	Dr. M. A. Loraine	Mrs. D. Fincham, Jubilee House, Metheringham Tel. Metheringham 231	1st and 3rd Wednesdays Doctor only 1st Wednesday
NAVENBY The Wesleyan School	Dr. A. Morris	Mrs. S. H. Powley, School House, Navenby Tel. Navenby 318	2nd Friday
NOCTON The Village Hall	R.A.F. Medical Officer	Mrs. F. V. F. Alsford, The Flats, Manor House, Nocton	2nd Wednesday
NORTON DISNEY The Village Hall	Dr. M. A. Loraine	Mrs. S. M. Dorey, Vinetree Farm, Norton Disney (Mrs Meredith Welfare Foods) Tel. Bassingham 296	1st Friday
NORTH HYKEHAM NEWARK ROAD The Memorial Hall	Dr. A. Morris	Mrs. E. M. Anderson 292 Newark Road, North Hykeham Tel. North Hykeham 280	1st and 3rd Mondays Doctor only 3rd Monday
NORTH HYKEHAM ST. HUGH'S	Dr. A. Morris	Mrs. J. F. Yates, 32 Harewood Crescent, Fosse Estate, Lincoln Tel. Lincoln 20043	1st and 3rd Wednesdays Doctor only 3rd Wednesday
NORTH HYKEHAM VILLAGE The Church Hall	Dr. M. A. Loraine	Mr. F. M. Lowday, 48 Moor Lane, North Hykeham Tel. North Hykeham 402	2nd and 4th Tuesdays
POTTERHANWORTH The Village Hall	Dr. A. Morris	Mrs. T. S. L. Battle, The Old Hall, Potterhanworth Tel. Branston 338	3rd Friday
SKELLINGTHORPE The Women's Institute	Dr. A. Morris	Mrs. G. Sturdy, "Crimmond," Church Road, Skellingthorpe	2nd Monday
SWINDERBY Methodist Schoolroom	Dr. M. A. Loraine	Mrs. M. Playle, "Fairham," High Street, Swinderby	1st Thursday
WADDINGTON R.A.F.		Mrs. D. D. Piper, 27 Teddar Drive, Waddington	1st and 3rd Thursdays
WADDINGTON VILLAGE The Church Hall	Dr. M. A. Loraine	Mrs. M. A. Lowe, 178 Grantham Road, Waddington	1st and 3rd Tuesdays
WASHINGBOROUGH The Village Hall	Dr. M. A. Loraine	Mrs. M. J. Onyon, Suffolk House, Washingborough Tel. Washingborough 234	3rd Thursday
LINCOLN (BRANT ROAD) Social Club	Dr. T. J. O'Sullivan	Mrs. A. MacLeod, "Torridon," Brant Road, Lincoln	4th Monday

INFECTIOUS DISEASES

Age	Diphtheria	Puerperal Pyrexia	Pneumonia	Opthalmia Neonatorum	Measles	Whooping Cough	Erysipelas	Dysentery	Scarlatina	Acute Polio-myelitis	Cerebro Spinal Fever	Para-typhoid Fever	Total
Under 1 year	—	—	—	—	13	1	—	—	—	—	—	—	14
1	—	—	—	—	41	1	—	—	1	—	—	—	43
2	—	—	—	—	34	3	—	—	—	—	—	—	37
3	—	—	—	—	43	4	—	—	1	—	—	—	48
4	—	—	—	—	44	4	—	—	—	—	—	—	48
5—9	—	—	—	—	137	10	—	—	1	—	—	—	148
10—14	—	—	1	—	9	3	—	—	—	—	—	—	13
15—24	—	—	1	—	3	1	—	—	—	—	—	—	5
25 and over	—	—	1	—	—	1	—	1	—	—		—	3
Total	—	—	3	—	324	28	—	1	3	—	—	—	359
Admision to Hospital	—	—	—	—	—	—	—	1	—	—	—	—	1

Whooping Cough

Twenty-eight cases were notified during 1964, an increase on last year of 11 cases proving the need for continual protection by immunisation with tripleantigen.

Poliomyelitis

There were no cases of poliomyelitis notified during the year in this area.

There are now plentiful supplies of oral vaccine available and it is most essential that all children should receive this vaccine in order to maintain an immune community. It is thought that the immunity from 3 doses of oral vaccine is probably lifelong.

Food Poisoning (suspected)

One case of this condition was notified during the year.

Tuberculosis

There were seven new cases of tuberculosis notified during the year. Of these seven cases four were respiratory, one S. Thiac. joint, one gland in neck and one infection of Lumber Spine. One death was attributable to respiratory tuberculosis during the year. Enormous developments have taken place in the treatment and prevention of tuberculosis in recent years but if there is any relaxation in the battle against this disease final eradication will be further postponed.

With regard to cases of infectious disease in general it should be noted that a considerable number of these are admitted to hospital in Lincoln before a diagnosis is made. If the diagnosis is made in a Lincoln Hospital, the notification return is included in those of Lincoln City and not in that of the North Kesteven R.D.C. The hospital concerned however makes the practice of informing myself of the diagnosis in order that preventive measures can be carried out in the home and locality from which the case originated.

Infectious deseases notifications show a reduction on last year mainly due to the reduction in the notifications of dysentry. Measles remained about the same. It will be interesting to watch this figure when vaccination against measles becomes available. The peak at present occurs in the 9 age group (137 cases) and only 13 occurring under 1 year. There is no doubt that this disease is best avoided in the very young and the delicate.

FOOD AND DRUGS ACT, 1955

Inspection of Meat.

In the area there are 2 licenced slaughterhouses.

The following is a tabular statement for the post-mortem inspection of animals:—

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed (if known)	552	984	25	1016	1990	3
Number inspected	552	984	25	1016	1990	3
All diseases except Tuberculosis and Cysticerci Whole carcases condemned	5	31	1	11	24	Nil
Carcases of which some part or organ was condemned	69	277	Nil	2	52	Nil
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	13.4%	31.3%	4.0%	1.28%	3.8%	Nil
Tuberculosis only: Whole carcases condemned	2	30	Nil	Nil	Nil	Nil
Carcases of which some part or organ was condemned	12	54	Nil	Nil	29	Nil
Percentage of the number inspected affected with tuberculosis	2.54%	8.5%	Nil	Nil	1.45%	Nil
Cysticercosis: Carcases of which some part or organ was condemned	1	Nil	Nil	Nil	Nil	Nil
Carcases submitted to treatment by refrigeration	1	Nil	Nil	Nil	Nil	Nil
Generalised and totally condemned	Nil	Nil	Nil	Nil	Nil	Nil

Weight of Meat Condemned.

	Carcase Meat			Offal		
	tons	cwts.	lbs.	tons	cwts.	lbs.
Bovine	12	2	89	3	8	74
Sheep	—	8	39	—	—	84
Pigs	1	18	49	—	6	19
Horses	—	—	—	—	—	—
Total:	14	9	65	3	15	65

The Ministry of Agriculture, Fisheries and Food continue sending reactor cattle into the slaughterhouse of Messrs. Hughes & Son (Skellingthorpe) Ltd.

Food Premises.

(i) The following is a tabular statement of the type of food premises in the area.

Restaurants and Cafes	Butchers	Grocers & Confectioners	Fish & Chip Fryers	Bakehouses	Fruiterers	Licensed Premises
17	24	107	12	4	5	59

(ii) **Food Premises registered under Section 16 of the Food and Drugs Act, 1955.**

Sale of Ice-Cream	Manufacture of Meat Products	Fish and Chip Fryers
123	24	12

301 inspections of the above premises were made during the year.

(iii) **Disposal of Condemned Meat.**

This is taken to a Knackers Yard in the district for processing into pet food and fertilisers.

Ice Cream (Heat Treatment, etc.) Regulations, 1947-52

There are no manufacturers of ice-cream in the district, but there are several soft ice-cream vehicles operating from registered premises in North Hykeham.

During the year twenty-one samples of ice-cream were taken. Of the twenty-one samples of ice-cream, twenty were found to be grade I, one grade II.

Food Hygiene

During the year routine inspections of all food premises were made.

SANITARY INSPECTION OF THE AREA

Visits to Slaughterhouses	340
Drains Tested	725
Housing Inspection	815
Knackers Yard	21
Refuse Tips	95
Inspections on Complaint	140
Other Inspections under Public Health Act	660
Inspections under Food and Drugs Act	301
Milk Samples	3
Infectious Diseases	20
Water Samples taken	3
Caravan Acts	159
Sewer Dykes	61
Visits to Council Houses *re* Repairs	2387
Sewage Works	119
Buildings in course of Erection	1571
Scavenging	124
Visits to Housing Sites	682
Factories Act	18
Petroleum	41
Sewers	120
Garage and Store	59
Miscellaneous	701
Clean Air Act	14
Improvements to Council Houses	191
Animal Boarding Establishment Act	4
Offices, Shops and Railway Premises Act	267

HOUSING

In carrying out their duties under the Housing Acts in respect of unfit houses, investigating applications for Improvement Grants and supervising the subsequent work, your Public Health Inspectors made 815 visits. The following gives brief details of the outcome of this work.

Slum Clearance

During 1964, 14 houses were reported to the Council under Section 16, Housing Act, 1957, as being unfit for human habitation and incapable of being rendered fit at reasonable expense.

Of the 14 houses, Demolition Orders were made in 10 cases, Closing Orders in 2 cases, and 2 remaining to be finally dealt with at the end of the year.

4 Demolition Orders were made and 2 Closing Orders made by the Council in respect of houses first dealt with before 1964. During the year 41 houses were demolished and 5 made fit of the houses previously dealt with.

15 houses were reported as unfit pursuant to Section 42, Housing Act, 1957.

Since 1956 a total of 129 dwellings have been included in Clearance Areas under Section 42 and of these 49 have been demolished 25 purchased by the Council have not been demolished. 28 have been included in confirmed Clearance Orders but not yet demolished, 2 converted to garages, 2 made fit, and 26 remain to be dealt with by Clearance Order or otherwise.

Since November, 1955, a total of 238 dwellings, first dealt with by Clearance Order or Section 16 of the Housing Act, 1957, have been demolished.

Rent Act 1957

During the year four applications for a certificate of Disrepair were received and four undertakings from the Landlord received. One Certificate was granted.

Improvement Grants

During the year the Council approved 27 applications for Discretionary Grants, the amount of grants involved being £9,130. The total number of Discretionary Grants approved since the commencement of the Act is 318.

The number of Standard Grants approved during the year was 63 making a total since commencement of the Act of 244.

Conversion of Closets under Section 47, Public Health Act, 1936.

During the year the Council approved 8 applications for converting closets (other than water closets) to water closets, making a total of 158 since the commencement of the scheme.

New Housing

28 new Council Houses were completed during the year bringing the total built since the end of the war to 1,290.

During the year 670 dwellings were completed by private builders making a total of 3,267 since the war. At the end of the year 298 private dwellings were under construction.

Council House Improvements

The number of improvements to older type of Council dwellings were as follows:—

Bathrooms provided	20
Internal W.C's provided (Bathroom existed)	21

The total number of improvements to Council dwellings since 1962 is now 95.

SANITARY CIRCUMSTANCES IN THE AREA

Water Supply

All parishes have a piped water supply from the Lincoln and District Water Board. Details of the supply are given below.

	Direct Services		*Pillar Fountains*	
	No. of Properties served	*Popl'n served*	*No. of Properties served*	*Popl'n served*
Aubourn, Haddington and South Hykeham	183	615	13	41
Bassingham	211	737	—	—
Beckingham	68	231	17	59
Boothby Graffoe	52	176	—	—
Bracebridge Heath	818	4047	—	—
Branston and Mere	555	1913	39	124
Brant Broughton and Stragglethorpe	184	624	13	56
Canwick	119	404	—	—
Carlton-le-Moorland	68	221	6	22
Coleby	139	513	3	14
Doddington and Whisby	91	316	—	—
Dunston	121	376	11	41
Eagle and Swinethorpe	149	569	—	—
Harmston	86	291	12	31
Heighington	372	1455	10	33
Leadenham	160	540	—	—
Metheringham	356	1209	103	349
Navenby (includes Skinnand) ..	192	664	25	84
Nocton	100	776	—	—
North Hykeham	2268	7497	—	—
North Scarle	91	294	—	—
Norton Disney	47	165	5	19
Potterhanworth	116	396	9	29
Skellingthorpe	691	2525	—	—
Stapleford	26	90	11	38
Swinderby	123	1948	—	—
Thorpe-on-the-Hill (includes Morton)	18	854	—	—
Thurlby	22	81	5	20
Waddington	757	4404	50	157
Washingborough	362	1112	25	73
Welbourn	195	661	16	47
Wellingore	150	511	5	17

The Lincoln and District Water Board forward bacteriological samples for weekly examination and periodic samples for chemical and fluorine content are sent to the Board's Analyst. All the samples have proved to be satisfactory.

It will be noted that a decreasing number of properties are served by piller fountains and it is hoped that this will be reduced still more in the future.

CHEMICAL ANALYSES

Waneham Bridge Pumping Station, Metheringham

This water contains per million parts:

Total Solids dried 180° C	626.00
Suspended Matter	Absent
Chlorides as Chlorine	53.30
Nitrate Nitrogen	14.42
Nitrite Nitrogen	Absent
Ammoniacal Nitrogen	0.004
Albuminoid Nitrogen	0.072
Carbonate Hardness	210,00
Non-Carbonate Hardness	232.00
Excess Alkalinity as Sodium Carbonate	—
Oxygen absorbed from N/80 $KMn0_4$ in 4 hrs. at 27°C	0.16
pH Value	7.1
Odour and Taste	Normal
Colour—Hazen Units	Less than 5
Heavy Metals	Absent
Free Chlorine	Absent
Fluorides as Flourine	0.16

Observations

At the time of sampling this water was of suitable chemical quality for human consumption, domestic use and dairy purposes.

Potterhanworth Pumping Station

This water contains per million parts:

Total Solids dried 180°C	662.00
Suspended Matter	Absent
Chlorides as Chlorine	46.20
Nitrate Nitrogen	4.53
Nitrite Nitrogen	0.004
Ammoniacal Nitrogen	0.004
Albuminoid Nitrogen	0.020
Carbonate Hardness	230.00
Non-Carbonate Hardness	200.00
Excess Alkalinity as Sodium Carbonate	—
Oxygen absorbed from N/80 $KMn0_4$ in 4 hrs. at 27°C	0.16
pH Value	7.0
Odour and Taste	Normal
Colour—Hazen Units	Less than 5
Heavy Metals	Absent
Free Chlorine	Absent
Flurides as Florine	0.16

Observation

At the time of sampling this water was of suitable chemical quality for human consumption, domestic use and dairy purposes. It will be noted that natural Flurides are present but to have effect on the children's teeth one part per million is recommended.

Refuse Disposal

A weekly collection of refuse was carried out throughout the whole of the district, the work being executed by direct labour.

During the year the Council introduced throughout the district a system of collection whereby the full dustbin is collected from the rear of the premises and the empty bin returned to just within the curtilage of the premises.

Controlled tipping continued at Bracebridge Low Fields and to a very small extent at Metheringham.

Sewage Disposal

At the end of 1963, the following villages were sewered:—Boothby Graffoe, Bracebridge Heath, Branston, Brant Broughton, Heighington, Metheringham, North Hykeham, Washingborough, Waddington and Welbourn.

Throughout 1964, work proceeded on the sewering of Navenby and Wellingore so that by the end of the year the greater part of the work was completed.

The Minister of Housing and Local Government held inquiries into schemes prepared for the villages of Potterhanworth and Skellingthorpe.

During the year grant aid was given for the conversion of pail and vault closets into water closets.

Pests Act, 1949

The Council employ two full-time Rodent Operators. The District is divided into two areas, each Operator being responsible for a particular area.

The Report for the Year Ending 31st December, 1964, which is sent to the Ministry of Agriculture, Fisheries and Food, is reproduced to show the results of their work.

		Type of Property				
		Non-Agricultural				Agri-cultural
		(1) Local Authority	(2) Dwelling Houses including Council	(3) All other including Business Premises	(4) Total of Cols (1) (2) & (3)	
1	Number of Properties in Local Authority's District	19	8843	1072	9934	1220
2	Total Number of Properties Inspected as a result of notification	19	438	19	476	17
	Number of such Properties found to be infested by:					
	Common Rat — Major	7	27	3	27	14
	Common Rat — Minor	8	173	11	192	3
	House Mouse — Major	—	7	6	13	—
	House Mouse — Minor	—	3	1	4	—
3	Total Number of Properties Inspected in the course of Survey under the Act	—	4633	383	5016	930
	Number of such Properties found to be infested by:					
	Common Rat — Major	—	134	11	145	99
	Common Rat — Minor	—	1289	14	1303	158
	House Mouse — Major	—	2	1	3	23
	House Mouse — Minor	—	6	—	6	1
4	Number of Infested Properties treated by the Local Authority	19	1773	52	1844	198
5	Total treatments carried out including Re-Treatments	58	1773	52	1883	198
6	Number of "BLOCK" Control Schemes carried out	173				

Defects found in Factories, Workshops and Workplaces.

Sanitary accommodation:—

One—not kept clean. This was remedied.

Premises	Number on Register	Inspections	Written Notices
Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities.	3	—	—
Factories not included in (i) in which Section 7 is enforced by the Local Authority	72	15	—
Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	21	3	—
TOTAL	96	18	—

Health Education

The Council subscribe to the Central Council for Health Education and receive their posters and leaflets. A great deal of time and effort is spent by the staff of the Health Department of this council in persuading members of the public to increase their standard of hygiene. What may appear on a report as a single visit or inspection may have in fact have entailed many hours of explanation and persuasion.

National Assistance Act, 1947

No action was taken under Section 47 of the above Act during 1964. This section provides for the compulsory removal to hospital or an institution of old persons who are suffering from grave chronic disease, or who are generally in an unhygienic or verminous condition and are not properly cared for. Any action under this legislation must I feel always be looked upon as absolutely the last resort and should only be invoked when all other measures have failed, as it deprived the right of freedom to the individual.

In conclusion I should like to thank the Chairman and members of the Council, the other Officials, and in particular the staff of the Public Health Department for their invaluable assistance since I became your Medical Officer of Health in October.

I remain,

Your obedient Servant,

M. A. LORAINE.

Medical Officer of Health.